

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/018137

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl<sup>7</sup> C12N15/00, C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl<sup>7</sup> C12N15/00, C12Q1/68

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
CAPLUS/MEDLINE/BIOSIS/WPIDS (STN)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/16639 A1 (TAKARA SHUZO CO., LTD.), 28 February, 2002 (28.02.02), Particularly, Claims; Fig. 35 & AU 7878301 A & CA 2417798 A & JP 2003-070490 A & US 2003/0073081 A1 & EP 1312682 A1	1-8
A	WO 00/28082 A1 (EIKEN KAGAKU KABUSHIKI KAISHA), 18 May, 2000 (18.05.00), Abstract; Claims & EP 1020534 A1 & WO 01/34790 A1 & WO 01/34838 A1 & CA 2390309 A & AU 3330800 A & AU 1057801 A & BR 0015382 A & EP 1231281 A & JP 2002-330796 A & NO 20022171 A & US 6410278 B1 & US 2004/132144 A1	1-8

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search  
04 March, 2005 (04.03.05)

Date of mailing of the international search report  
22 March, 2005 (22.03.05)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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International application No.

PCT/JP2004/018137

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
E, X	JP 2005-52002 A (WAKUNAGA SEIYAKU KABUSHIKI KAISHA), 03 March, 2005 (03.03.05), Particularly, Claim 2; Par. Nos. [0021], [0022] (Family: none)	1-8

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2004/018137

**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 9  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
(See extra sheet.)
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/JP2004/018137

Continuation of Box No.II-2 of continuation of first sheet(2)

The oligonucleotide primer as set forth in the above claim is specified as containing a structure corresponding to the structure of a nucleic acid which is arbitrarily selected and serves as a template but characteristic matters thereof such as its nucleic acid sequence for understanding it as a substance are not sufficiently clearly indicated. Thus, the above-described oligonucleotide primer is unclear as a substance and, therefore, does not comply with the prescribed requirement to such an extent that no meaningful international search can be carried out (PCT Article 17(2)(a)(ii)).

A. 発明の属する分野の分類 (国際特許分類 (IPC))  
Int. Cl<sup>7</sup> C12N15/00, C12Q1/68

B. 調査を行った分野

調査を行った最小限資料 (国際特許分類 (IPC))  
Int. Cl<sup>7</sup> C12N15/00, C12Q1/68

最小限資料以外の資料で調査を行った分野に含まれるもの

国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)

CAPLUS/MEDLINE/BIOSIS/WPIDS (STN)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
A	WO 02/16639 A1 (TAKARA SHUZO CO., LTD.), 2002.02.28 特に請求の範囲及び図35参照 & AU 7878301 A & CA 2417798 A & JP 2003-070490 A & US 2003/0073081 A1 & EP 1312682 A1	1-8
A	WO 00/28082 A1 (EIKEN KAGAKU KABUSHIKI KAISHA), 2000.05.18 要約及び請求の範囲参照 & EP 1020534 A1 & WO 01/34790 A1 & WO 01/34838 A1 & CA 2390309 A & AU 3330800 A & AU 1057801 A & BR 0015382 A & EP 1231281 A1 & JP 2002-330796 A	1-8

☒ C欄の続きにも文献が列挙されている。

☐ パテントファミリーに関する別紙を参照。

\* 引用文献のカテゴリー

「A」 特に関連のある文献ではなく、一般的技術水準を示すもの  
「E」 国際出願日前の出願または特許であるが、国際出願日以後に公表されたもの  
「L」 優先権主張に疑義を提起する文献又は他の文献の発行日若しくは他の特別な理由を確立するために引用する文献 (理由を付す)  
「O」 口頭による開示、使用、展示等に言及する文献  
「P」 国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」 国際出願日又は優先日後に公表された文献であって出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの  
「X」 特に関連のある文献であって、当該文献のみで発明の新規性又は進歩性がないと考えられるもの  
「Y」 特に関連のある文献であって、当該文献と他の1以上の文献との、当業者にとって自明である組合せによって進歩性がないと考えられるもの  
「&」 同一パテントファミリー文献

国際調査を完了した日

04.03.2005

国際調査報告の発送日

22.3.2005

国際調査機関の名称及びあて先

日本国特許庁 (ISA/JP)

郵便番号100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官 (権限のある職員)

新留 豊

4B

9639

電話番号 03-3581-1101 内線 3448

C (続き) . 関連すると認められる文献		
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
EX	& NO 20022171 A & US 6410278 B1 & US 2004/132144 A1  JP 2005-52002 A (WAKUNAGA SEIYAKU KABUSHIKI KAISHA), 2005.03.03 特に請求の範囲2及び段落0021, 0022参照 (ファミリーなし)	1-8